

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

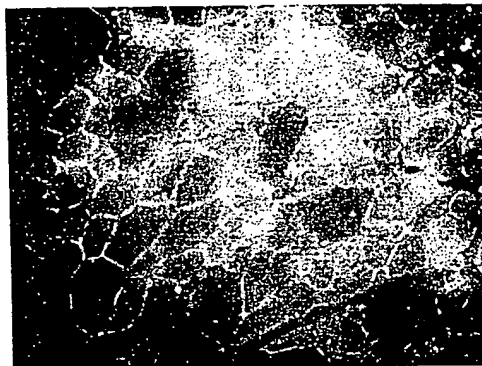
**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

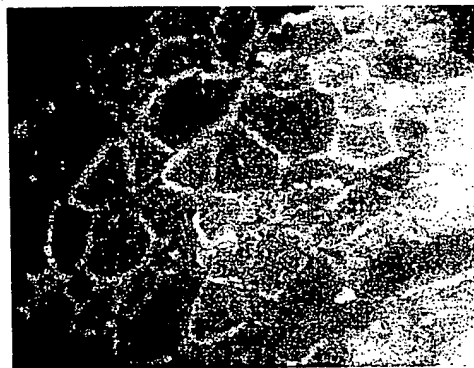
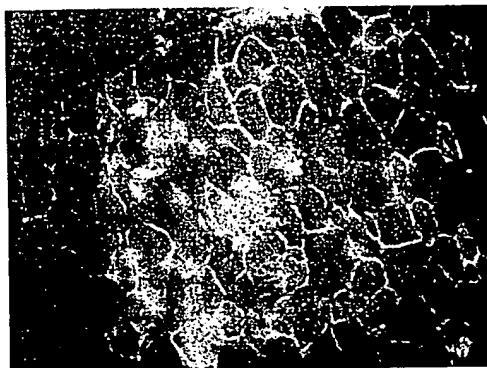
31/32

**FIGURE 31**

PRIMO 1



PRIMO 3



30/32

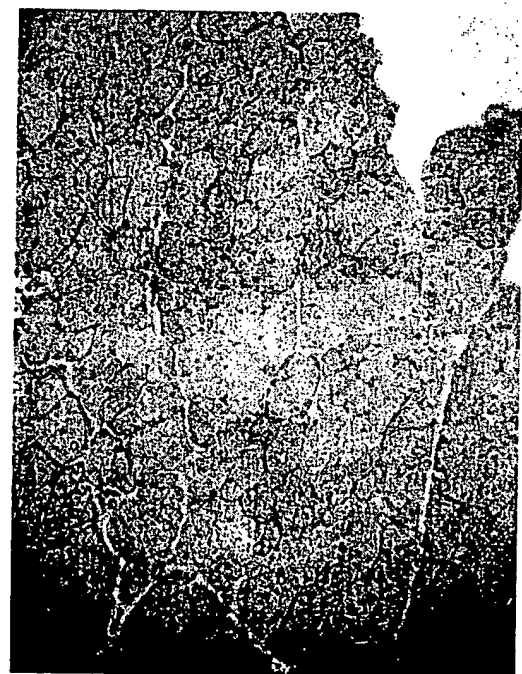
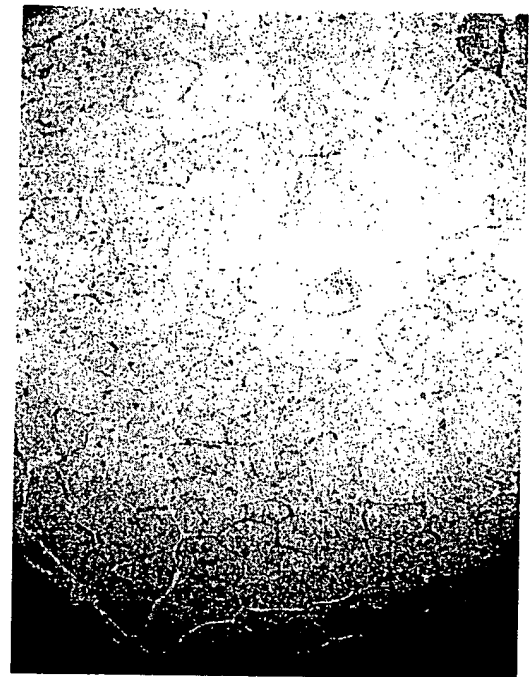
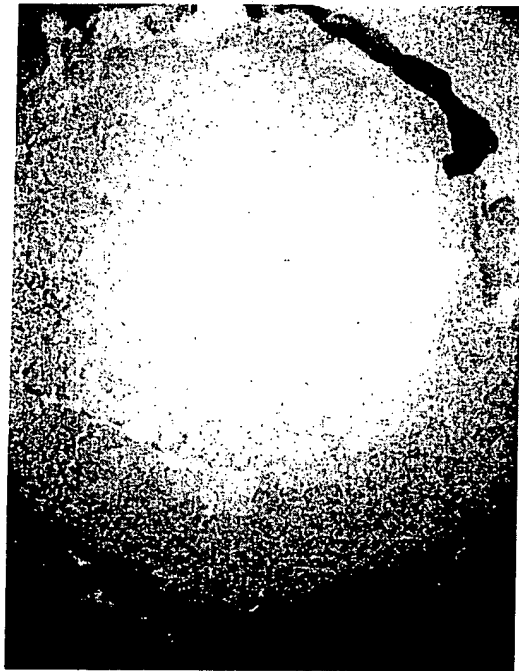


FIGURE 30

x10

x40

29/32

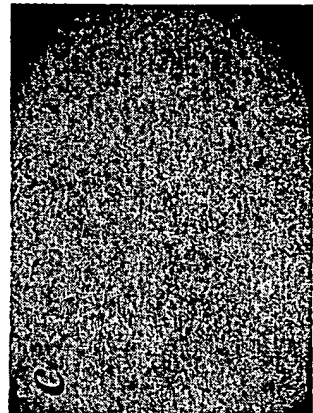
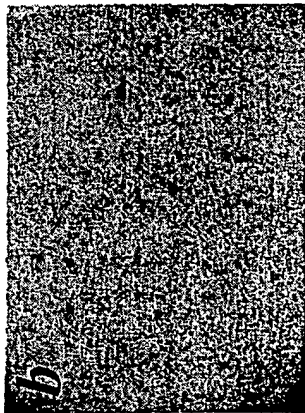
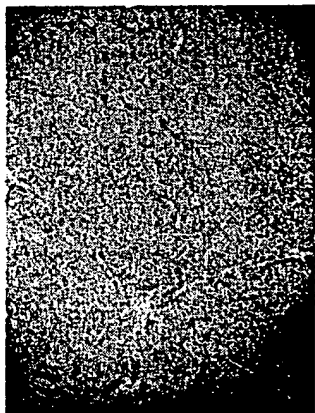
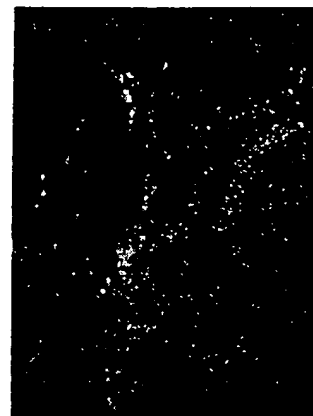
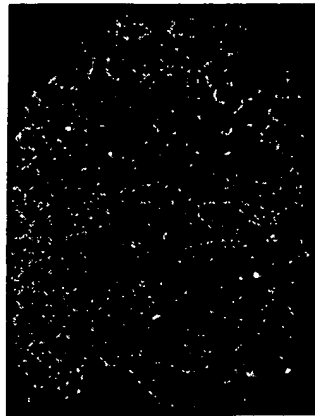


FIGURE 28A

FIGURE 28B

FIGURE 28C

28/32

FIGURE 28B

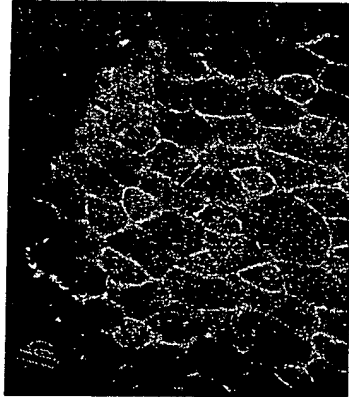


FIGURE 28A

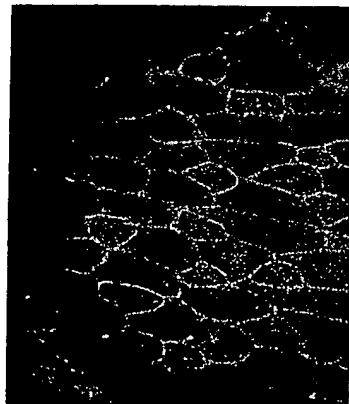


FIGURE 28E

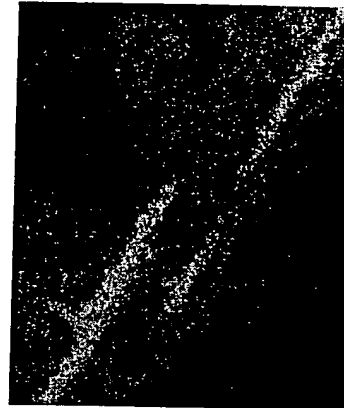
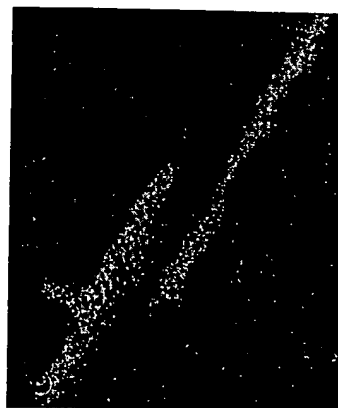


FIGURE 28D

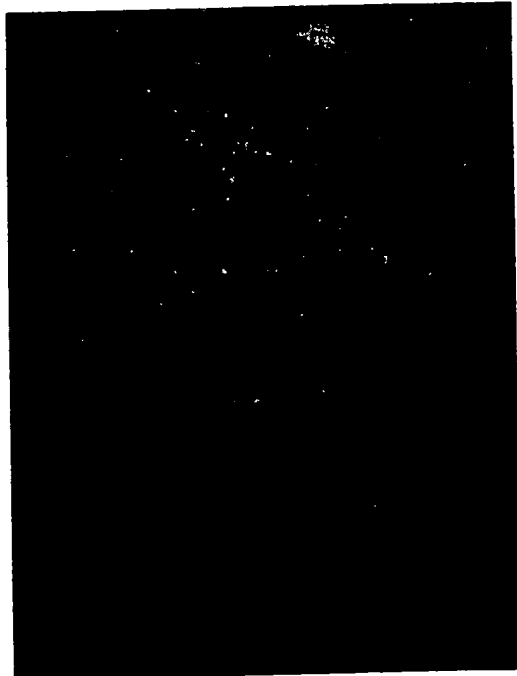


FIGURE 28C

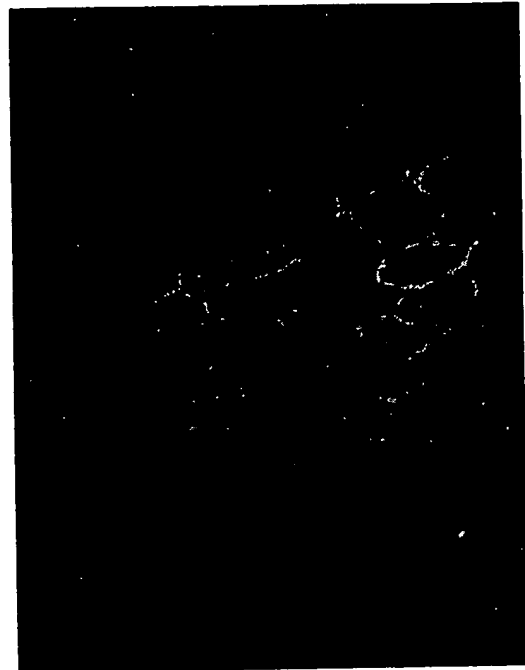


27/32

FIGURE 27



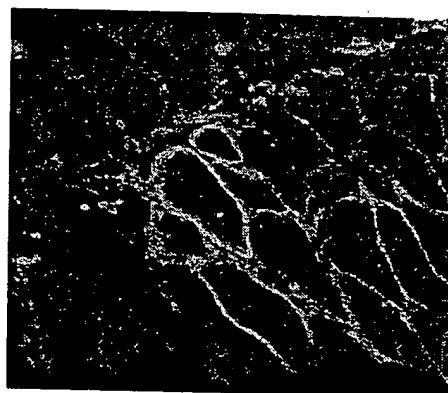
x10



x40

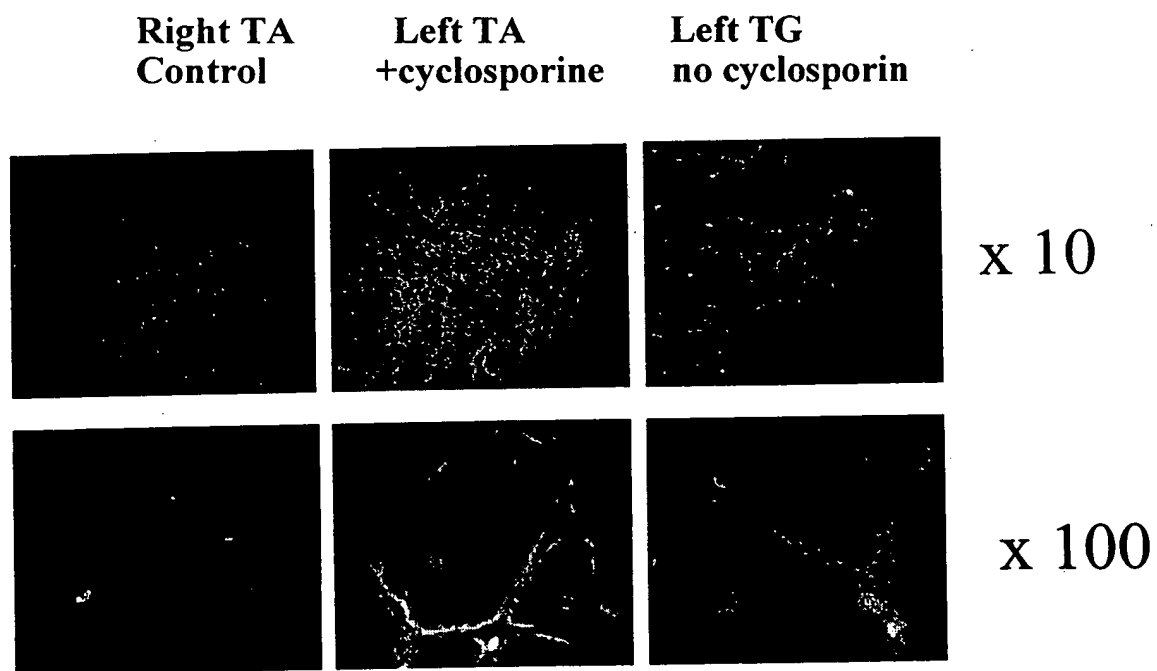
26/32

**FIGURE 26**



25/32

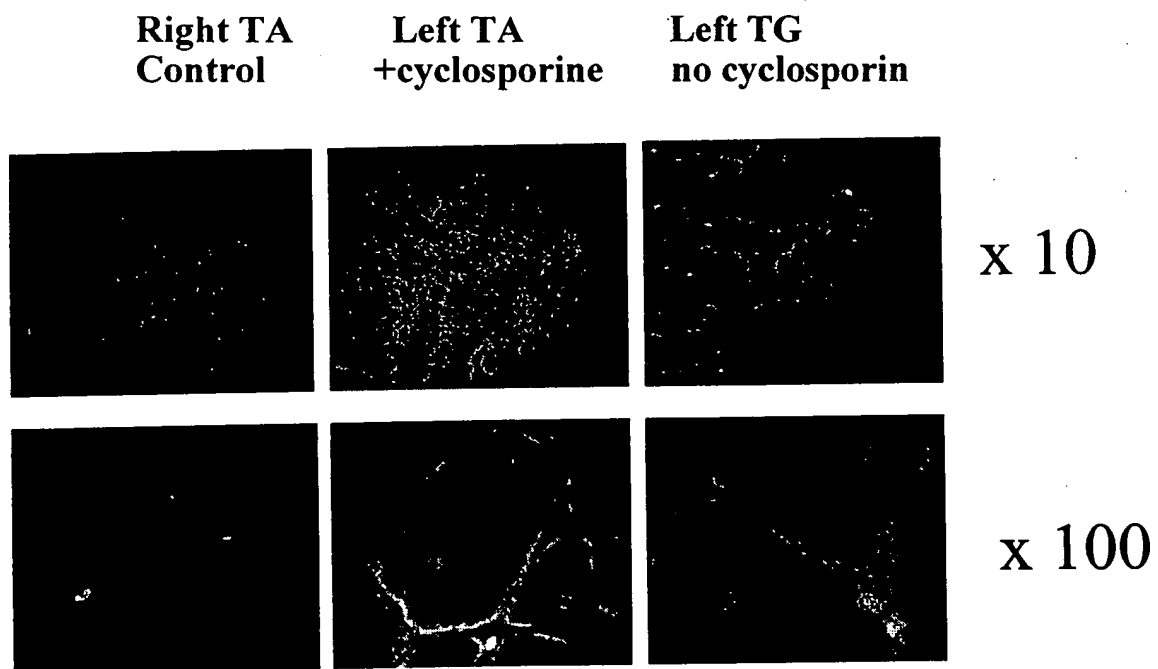
**FIGURE 25**





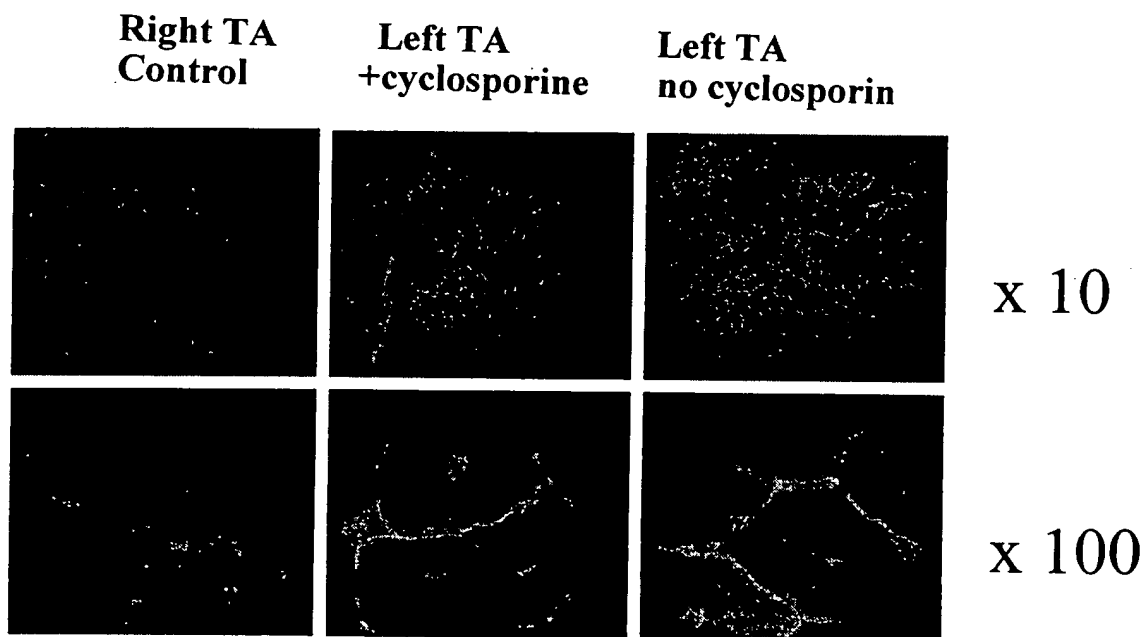
25/32

**FIGURE 25**



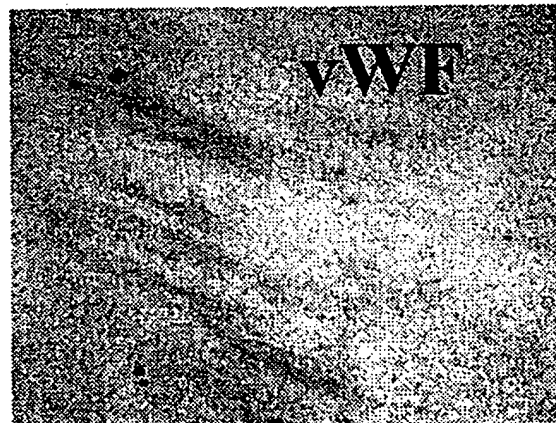
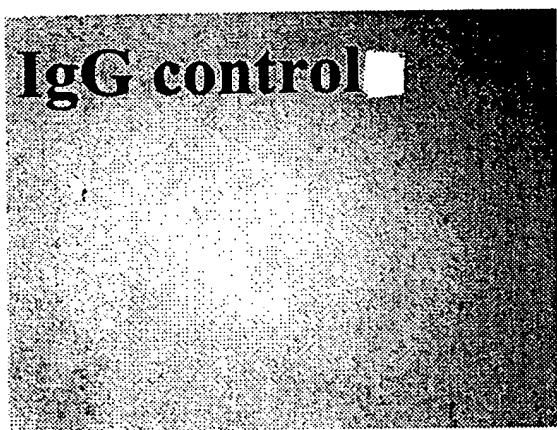
24/32

**FIGURE 24**



23/32

**FIGURE 23**



21/32

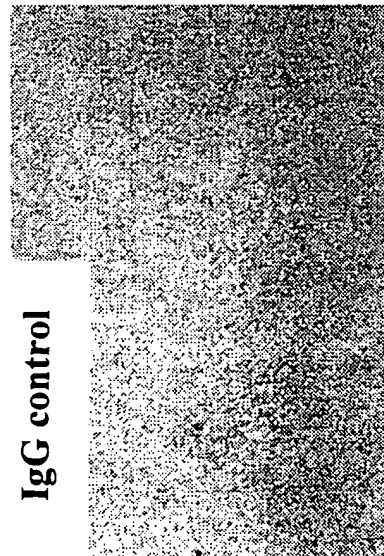
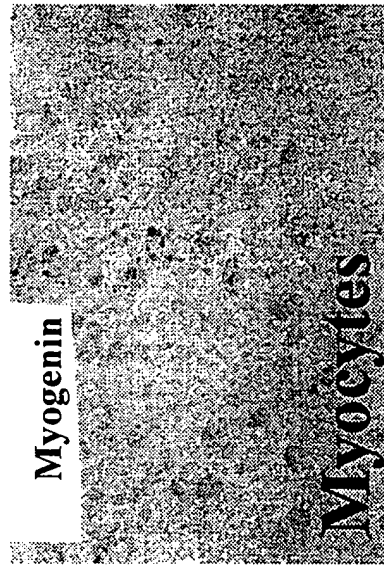


FIGURE 21

18/32

FIGURE 18

RT  
CA  
CAI

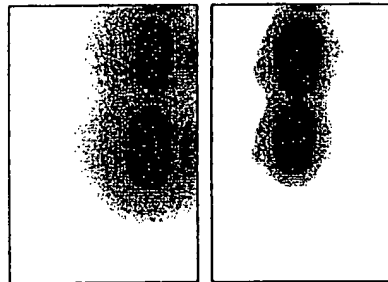
Oct-4

ABCG2

1 2 3

Oct-4

Rex-1



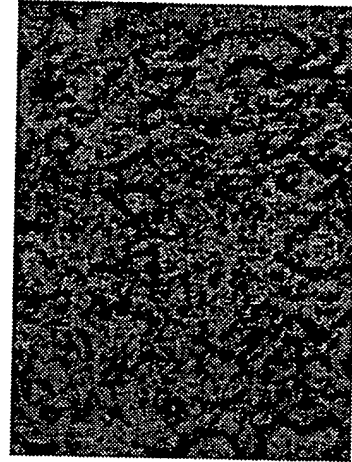
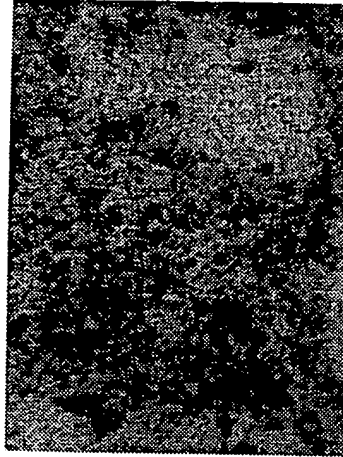
17/32

**FIGURE 17**

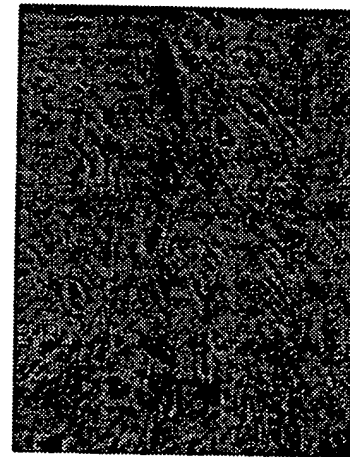
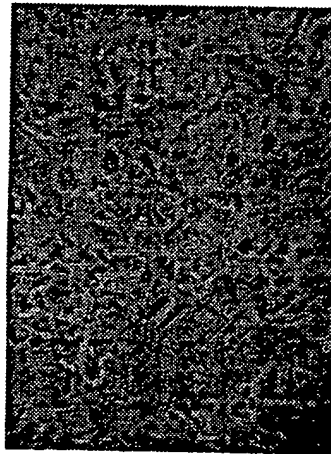


16/32

Osteoblasts



Adipocytes



Clone CA1

Clone CA3

FIGURE 16

Applicants : Anne Marie Rodriguez, at al.

U.S. Serial No. 10/ 632, 581

Filing Date: July 31, 2003

Title of the Invention: STEM CELLS ORIGINATING  
FROM ADIPOSE TISSUE; AND DIFFERENTIATED  
DERIVED FROM STEM CELLS

Sheet 14 of 32

14/32

FIGURE 14C



FIGURE 14B

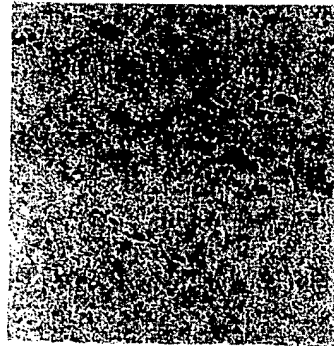
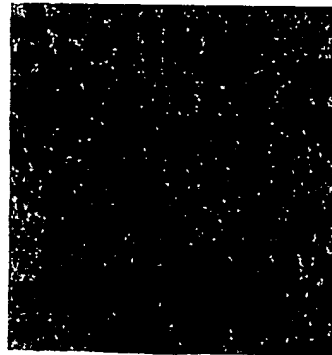


FIGURE 14A





13/32

FIGURE 13C

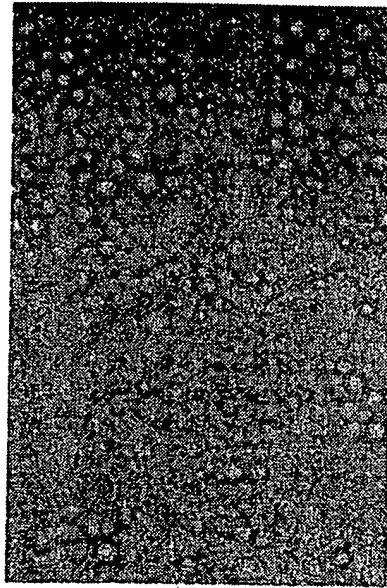


FIGURE 13B

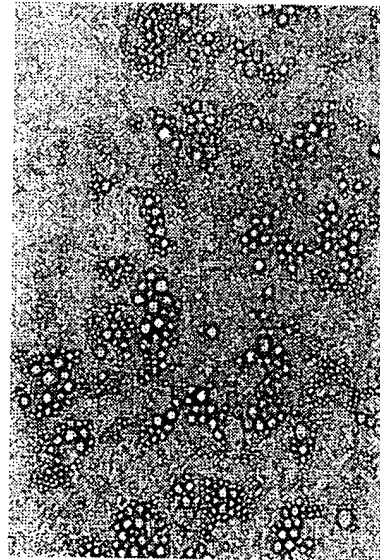
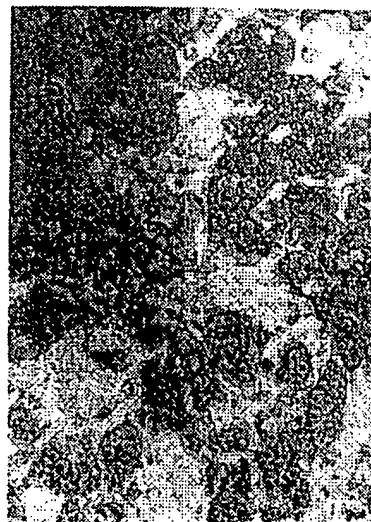


FIGURE 13A



12/32

FIGURE 12B

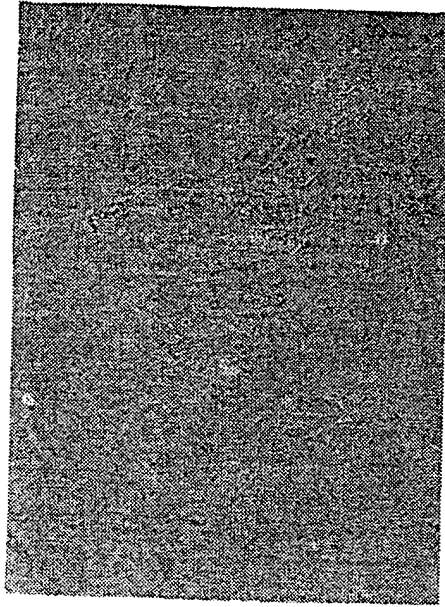


FIGURE 12D

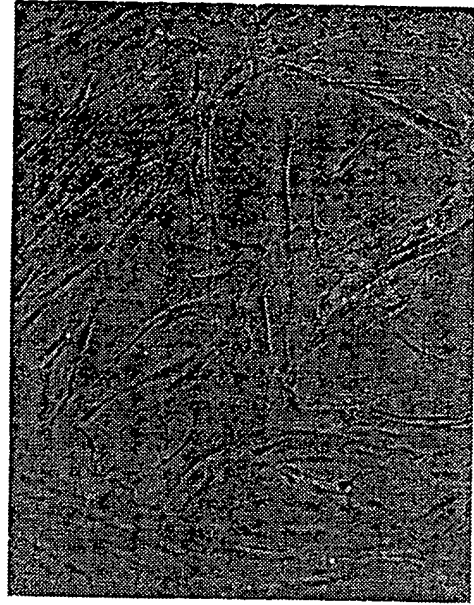


FIGURE 12A

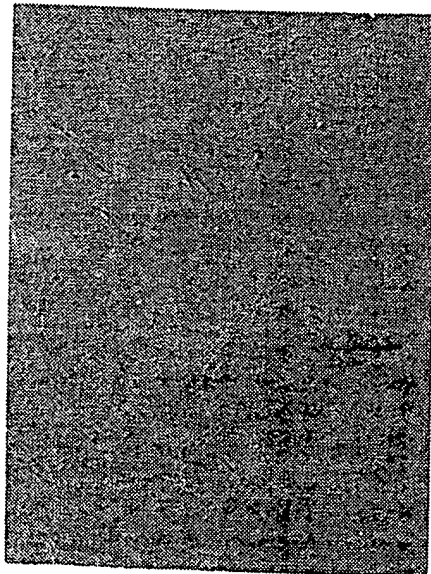
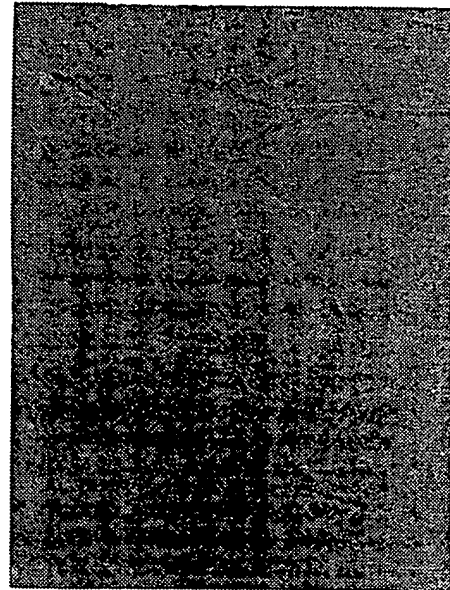
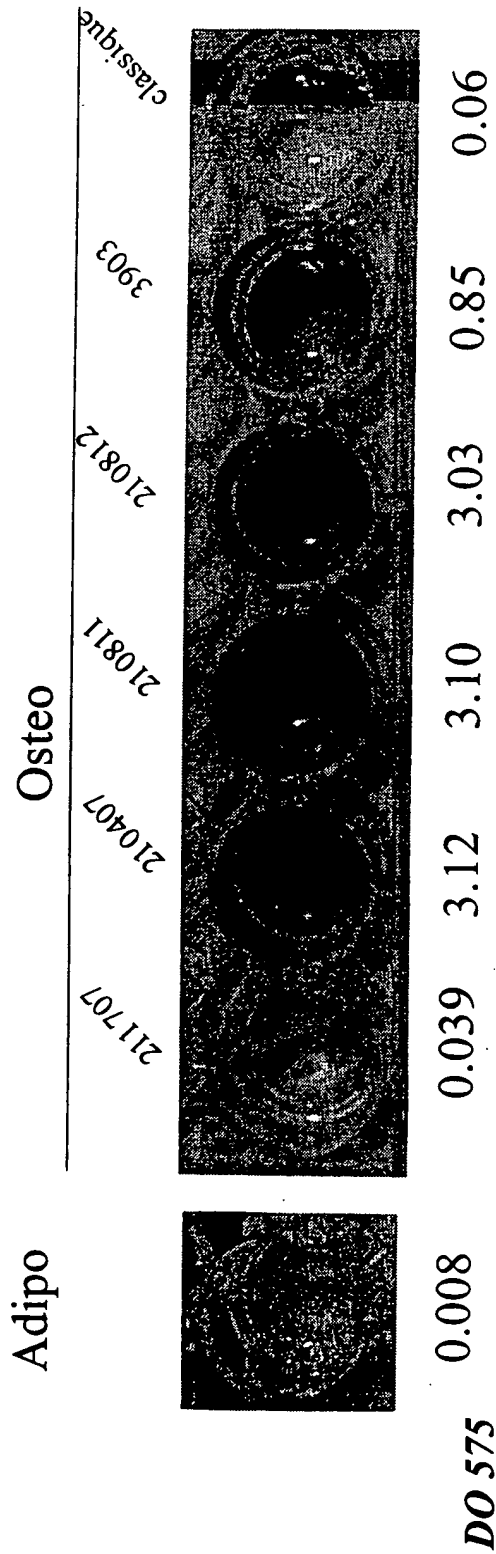


FIGURE 12C



11/32

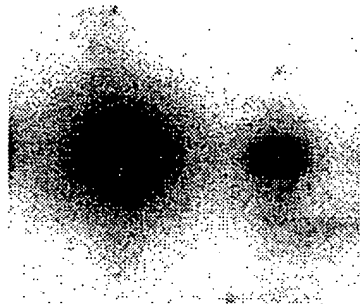
FIGURE 11



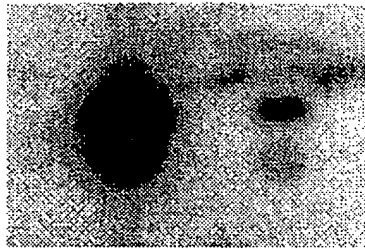
9/32

**FIGURE 9**

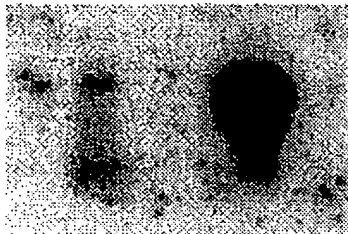
**hPPAR $\gamma$**



**haP2**



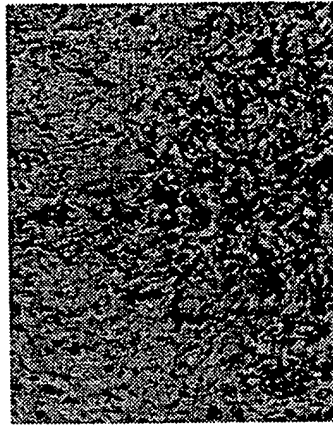
**hOC**



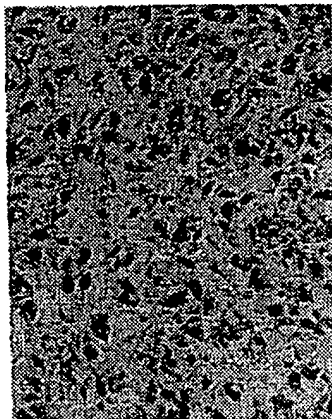
**Primo2 CA T32**

8/32

**FIGURE 8B**

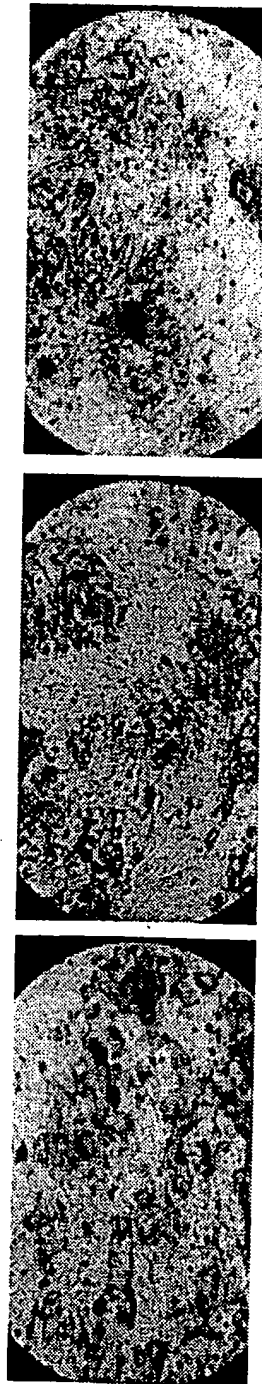


**FIGURE 8A**



7/32

FIGURE 7



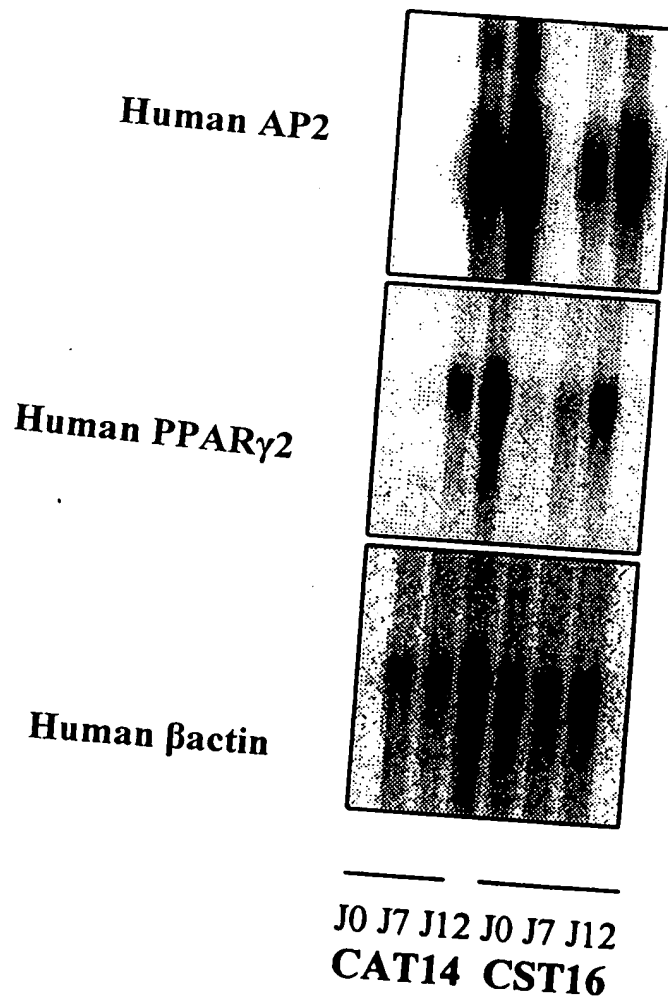
CA T5

CST7

CS T1

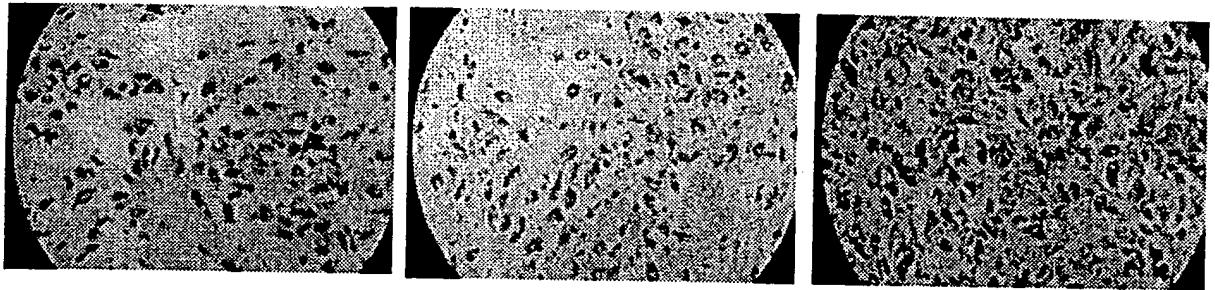
6/32

**FIGURE 6**



5/32

**FIGURE 5**



**CS T1**

**CST7**

**CA T5**



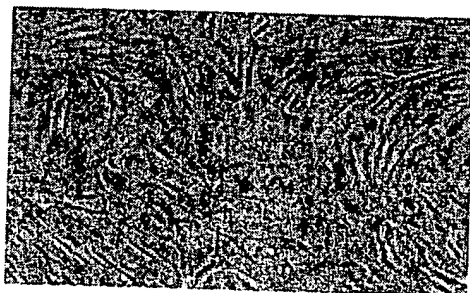
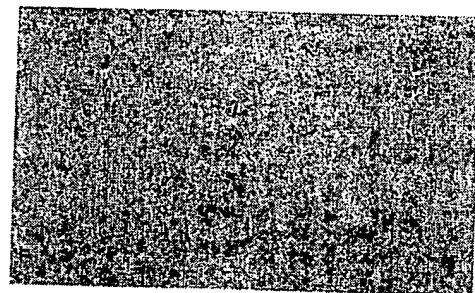
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

1/32

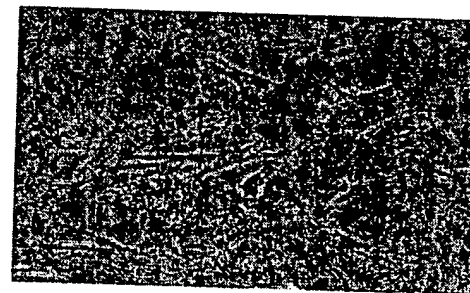
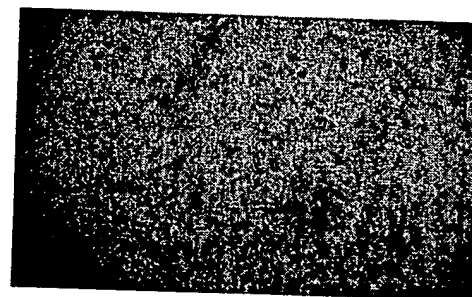
05909 U.S. PTO  
071904

**FIGURE 1**

CA  
T20

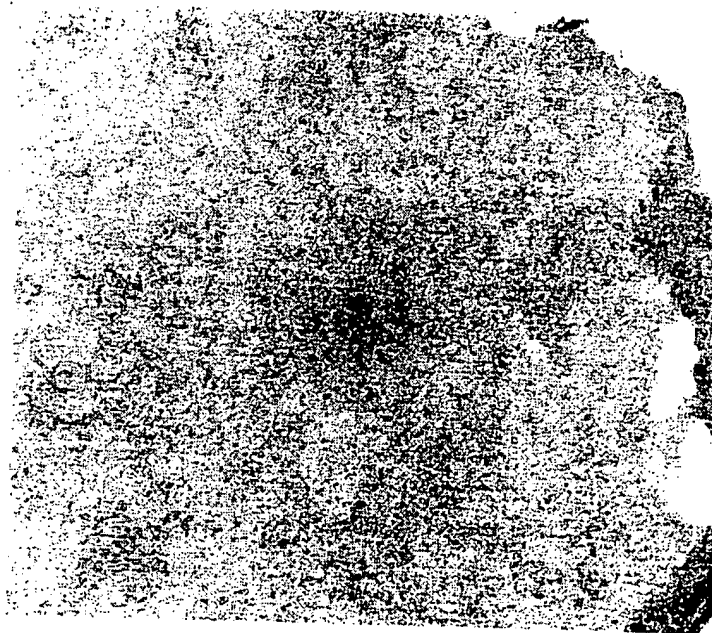


CS  
T20



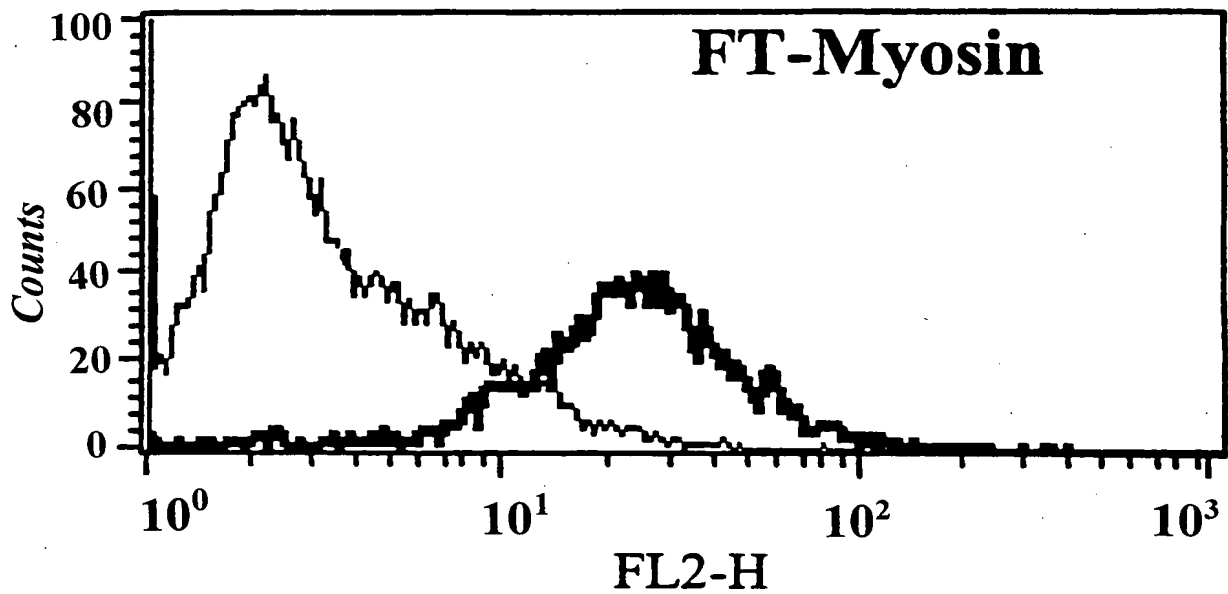
32/32

**FIGURE 32**



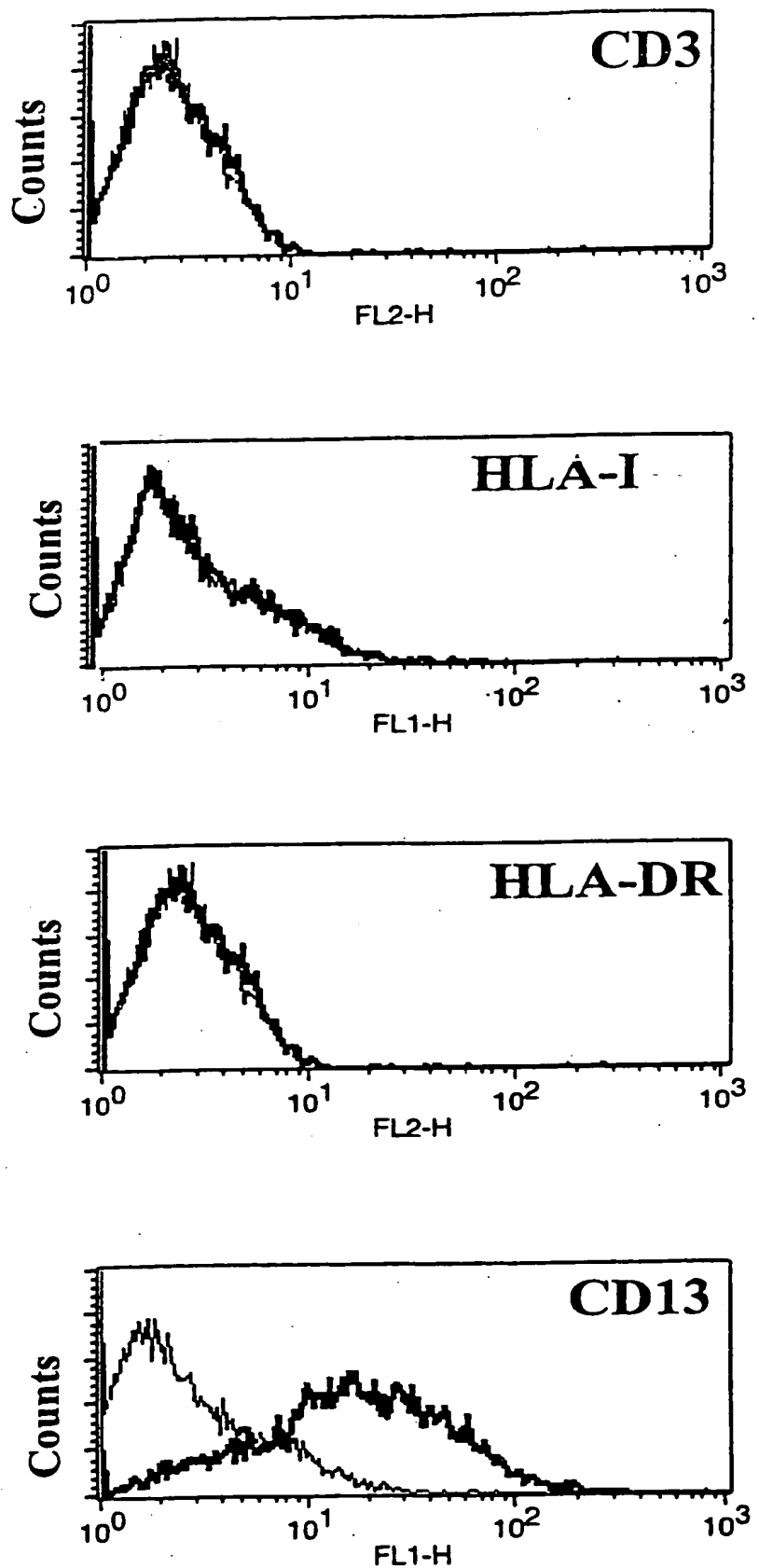
22/32

**FIGURE 22**



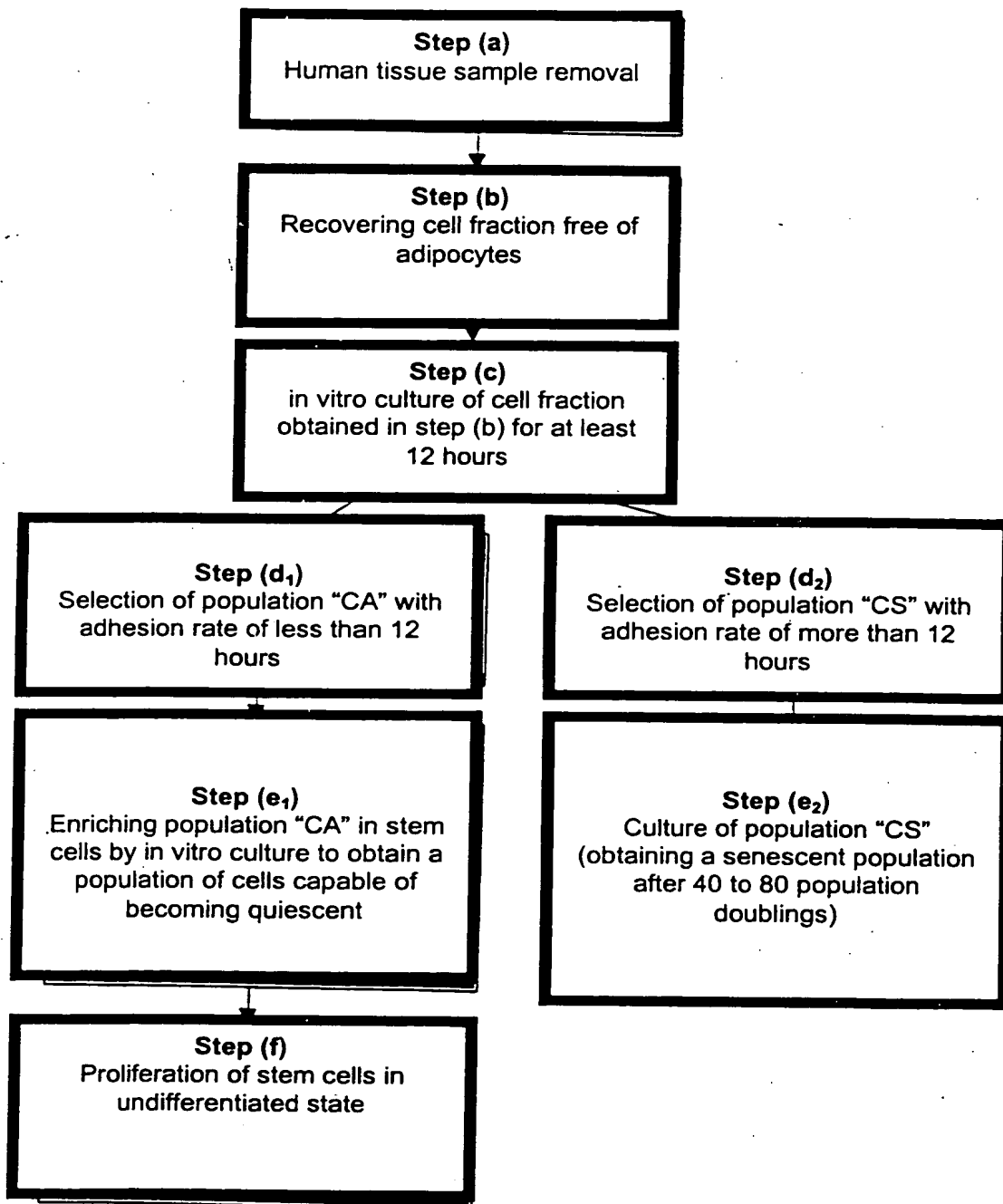
20/32

**FIGURE 20**



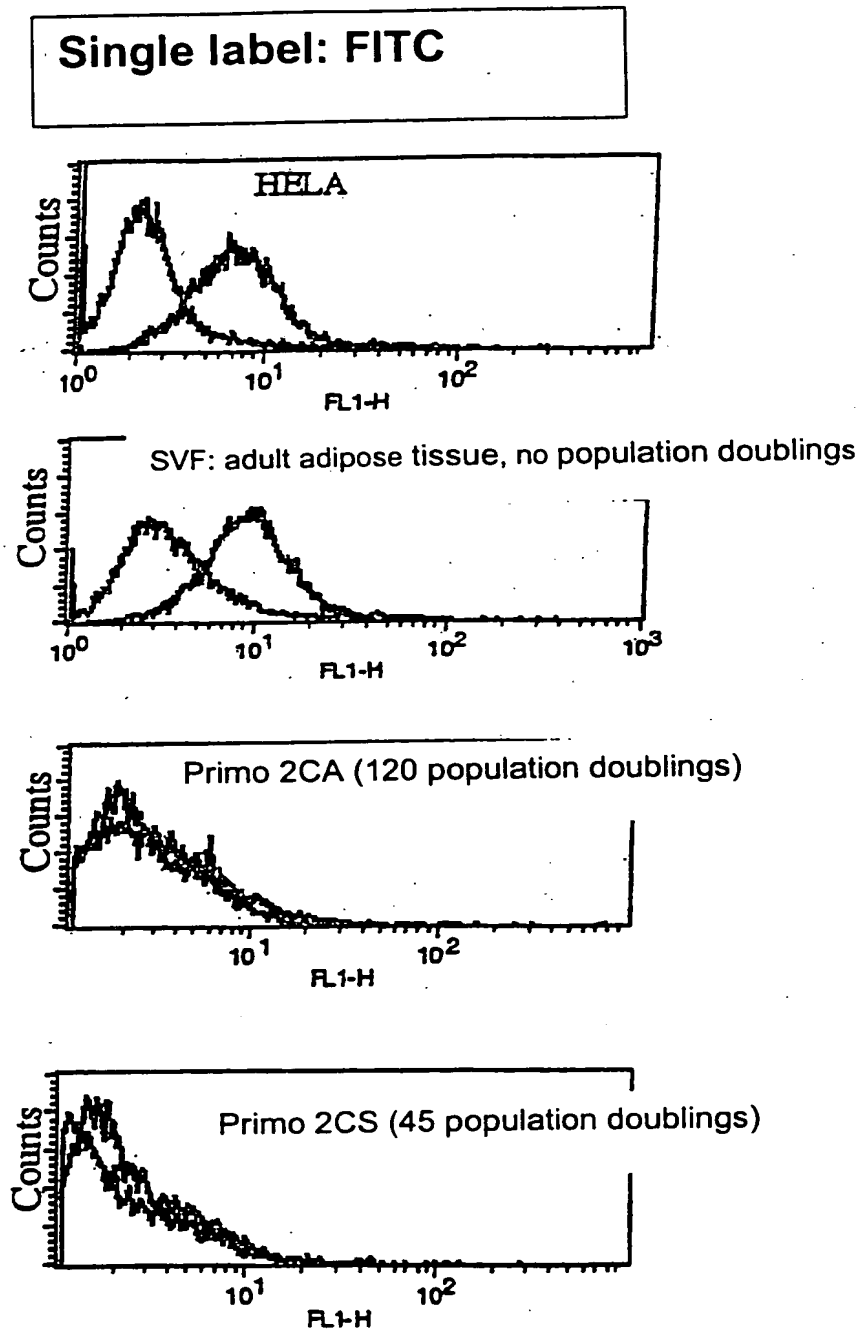
19/32

**FIGURE 19**



15/32

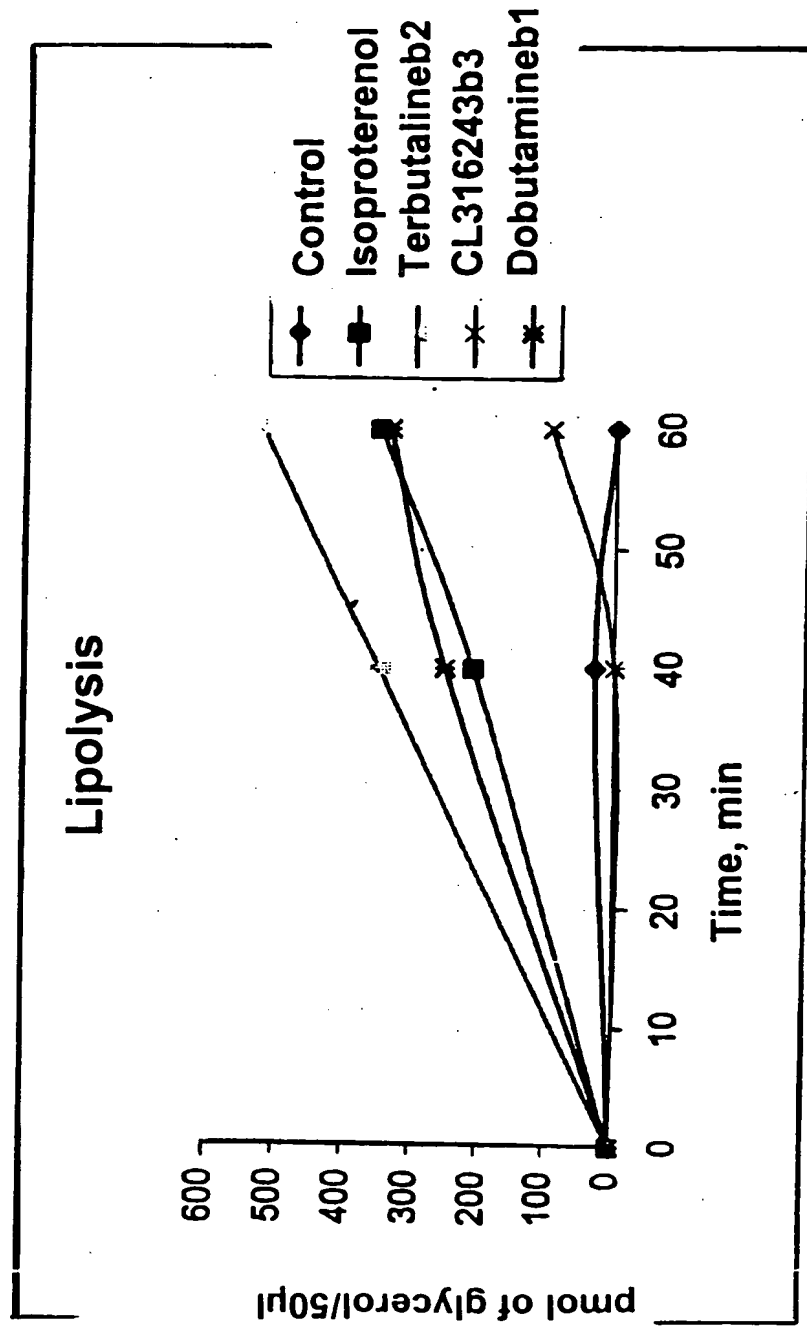
**FIGURE 15**



— Mouse IgG: negative control  
— W6/32: anti HLA class I antibody

10/32

FIGURE 10





2/32

**FIGURE 2**

